



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Uttam Ghoshal et al.

Title: APPARATUS AND METHODOLOGY FOR COOLING OF HIGH POWER DENSITY DEVICES BY ELECTRICALLY CONDUCTING FLUIDS

Application No.: 10/763,303

Filed:

January 23, 2004

Examiner: Richard L. Leung

Group Art Unit: 3744

Atty. Docket No.: 089-0008

Confirmation No.: 6524

February 11, 2005

Mail Stop Amendment
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
37 C.F.R. § 1.97(b)

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings to the Examiner's attention in the above-identified application the patents, publications, applications or other information identified in the attached:

- Form(s) PTO/SB/08A (3 page(s), with copy of 3 reference(s)).
- Form(s) PTO/SB/08B (N/A page(s), with copy of no reference(s)).
- Listing of Pending Applications (N/A page(s), with copy of no application(s)).
- Other: N/A

Citation of such information shall not be construed as (i) an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention, (ii) a representation that a search has been made, other than as described herein, or (iii) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance through (i) an English language abstract, (ii) an English language equivalent application, or (iii) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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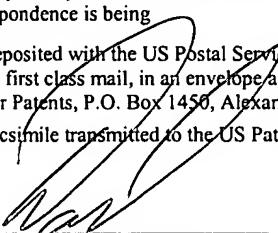
Pursuant to operative regulations, certain copies need not be provided and corresponding information is identified in this Information Disclosure Statement by citation only. In particular,

- In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. Patents and U.S. Patent Application Publications are not included.
- Certain information was submitted to, or cited by, the Office in Application No(s). N/A, filed N/A, to which the above-identified application claims priority under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of that information are not included.
- Pursuant to 1287 OG 163 (October 19, 2004), for those cited pending U.S. patent applications filed (or which entered the national stage under 35 U.S.C. § 371) on or after June 30, 2003 or which are otherwise stored in the USPTO's Image File Wrapper system, copies are not included.

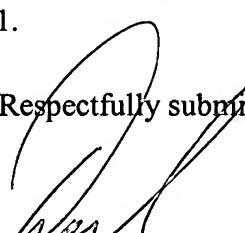
FEE AUTHORIZATION

- This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

If however, this Information Disclosure Statement is filed after the period specified in § 1.97(b), the undersigned hereby authorizes the Commissioner to charge the fee set forth in § 1.17(p) to Deposit Account No. 50-0631.

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 David W. O'Brien	 Date

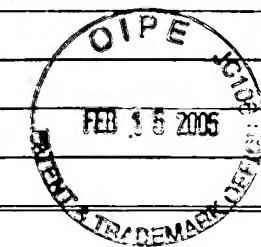
Respectfully submitted,


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EXPRESS MAIL LABEL: _____	
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Application No.: 10/763,303

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

First Named Inventor: *Uttam Ghoshal*

Filing Date: January 23, 2004

Group Art Unit: 3744

Examiner Name: *Richard L. Leung*

Date Submitted: February 11, 2005

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-4,177,015	12-04-1979	Davidson	
	2	US-5,009,399	04-23-1991	Bykhovsky et al.	
	3	US-5,184,211	02-02-1993	Fox	
	4	US-5,640,046	06-17-1997	Suzuki et al.	
	5	US-5,943,211	04-24-1999	Havey	
	6	US-5,993,164	11-30-1999	Diaz	
	7	US-6,000,225	12-14-1999	Ghoshal	
	8	US-6,021,844	02-08-2000	Batchelder	
	9	US-6,065,293	05-23-2000	Ghoshal	
	10	US-6,119,463	09-19-2000	Bell	
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	13	US-6,227,809	05-08-2001	Forster et al.	
	14	US-6,241,480	06-05-2001	Chu et al.	
	15	US-6,256,996	07-10-2001	Ghoshal	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	16	JP06188582A	07-08-1994	Chikugi et al.		
	17	JP07321265A	12-08-1995	Suzuki et al.		
	18	JP360004244A	01-10-1985	Ashiwake et al.		

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file "and by the USPTO to process" an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.16.

PTO/SB/08A (Substitute for form 1449/PTO)	Attorney Docket No.: 089-0008
	Application No.: 10/763,303
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor: <i>Uttam Ghoshal</i>
(Continuation Sheet)	Filing Date: January 23, 2004
	Group Art Unit: 3744
	Examiner Name: Richard L. Leung
Sheet 2 of 3	Date Submitted: February 11, 2005

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	19	US-6,266,962	07-31-2001	Ghoshal		
	20	US-6,282,907	09-04-2001	Ghoshal		
	28	US-6,338,251	01-15-2002	Ghoshal		
	22	US-6,384,312	05-07-2002	Ghoshal		
	23	US-6,388,185	05-14-2002	Fleurial et al.		
	24	US-6,474,074	05-30-2002	Ghoshal		
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	26	US-2003/0005706 A1	01-09-2003	Bell		
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	33	US-6,606,866	08-19-2003	Bell		
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
Examiner Signature				Date Considered		

PTO/SB/08A (Substitute for form 1449/PTO)		Attorney Docket No.: 039-0003
		Application No.: 10/763,303
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor: <i>Uttam Ghoshal</i>
(Continuation Sheet)		Filing Date: January 23, 2004
		Group Art Unit: 3744
		Examiner Name: <i>Richard L. Lewing</i>
Sheet 3 of 3		Date Submitted: February 11, 2005

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	35	US-6,613,602	09-02-2003	Cooper et al.	
	36	US-6,614,109	09-02-2003	Cordes et al.	
	37	US-6,625,990	09-30-2003	Bell	
	38	US-6,637,210 B2	10-28-2003	Bell	
	39	US-6,700,052 B2	09-02-2003	Bell	
	40	US-6,708,501	03-23-2004	Ghoshal et al.	
	41	US-6,712,258	03-30-2004	Ghoshal	
	42	US-6,740,600	05-25-2004	Ghoshal et al.	
	43	US-2004/0234379 A1	11-25-2004	Miner et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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